

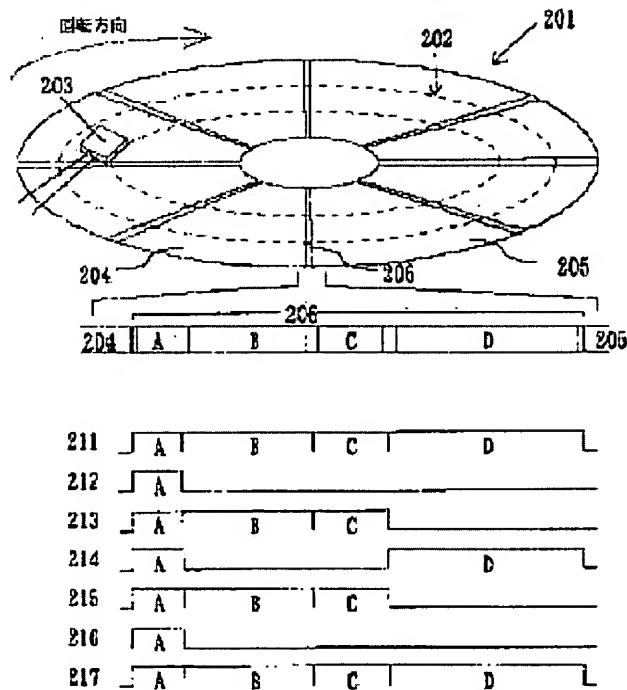
SERVO INFORMATION READ/CONTROL SYSTEM IN MAGNETIC DISK DEVICE

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Abstract of JP11016242

PROBLEM TO BE SOLVED: To reduce power consumption in a magnetic disk by providing a function recognizing a self operation state, the function judging a read required period of respective functional information with the recognized operation state and setting the read period of the functional information and the function dividing the data in a servo area and reading them. SOLUTION: Servo information recorded on a servo information recording area 206 formed on a medium 201 is divided to four functional information of A, B, C, D. The read periods of respective functional information are constituted so that the read is executed once at every servo area passage in A, at every two servo areas passage in B, C and at every three servo areas passage in D. In such a case, a hourly change of a current amount supplied to a read head is shown as waveforms 211-217. When the waveform is a high level, the current is supplied, and the head reads the functional information of shown alphabets. The current is supplied from an initial servo area as the waveform 211, and counters answering to respective functional information are initialized, and the current of the waveform 212 is supplied when the next servo area is accessed.



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